

WHAT IS CLAIMED IS:

1. A method of axially removing a generator rotor from a generator housing wherein the generator is disposed axially between gas and steam turbines, comprising the steps of:

- (a) releasing the generator from a foundation supporting the generator;
- (b) rotating the generator about a vertical axis and along guides to displace at least one end of the generator from axial alignment with one of said turbines to enable removal of the rotor from the casing without interference from said one of the turbines.

2. A method according to claim 1 wherein said foundation includes a block on one side of the generator and including removing the block from the foundation leaving an open recess through the one foundation side, and rotating the generator about the vertical axis through the recess.

3. A method according to claim 2 including extending guides through at least one opening in the block prior to step (a).

4. A method according to claim 1 including locating the vertical axis offset from an axial centerline of the generator.

5. A method according to claim 1 including locating the vertical axis to pass through the axial centerline of the generator.

6. A method according to claim 1 including, subsequent to step (b), including rotating the generator about the vertical axis to displace the generator into alignment with the steam and gas turbines, and securing the generator to the generator foundation.

7. A method of axially removing a generator rotor from a generator housing wherein the generator is disposed axially between gas and steam turbines, comprising the steps of:

- (a) unloading the generator from a foundation supporting the generator;
- (b) loading the generator onto guides extending horizontally; and
- (c) rotating the generator about a vertical axis and along said guides to displace at least one end of the generator from axial alignment with at least one of the turbines to enable removal of the rotor from the casing without interference from said one turbine.

8. A method according to claim 7 wherein said foundation includes a block on one side of the generator and step (a) includes unloading the generator from the block, and removing the block from the foundation leaving an open recess through the one foundation side, and step

(c) includes rotating the generator about the vertical axis through the recess.

9. A method according to claim 8 including extending the guides through at least one opening in the block prior to step (a).

10. A method according to claim 7 including locating the vertical axis offset from an axial centerline of the generator.

11. A method according to claim 7 including locating the vertical axis to pass through the axial centerline of the generator.

12. A method according to claim 7 wherein step (a) includes elevating the generator from the foundation and step (b) includes lowering the generator onto the guides.

13. A method according to claim 7 including, subsequent to step (c), including rotating the generator about the vertical axis and along said guides to displace the generator into alignment with the steam and gas turbines, unloading the generator from the guides and loading the generator onto the generator foundation.

14. A method according to claim 13 wherein the step of unloading the generator from the guides includes elevating the generator relative to the foundation and the step of loading the generator onto the foundation includes lowering the generator onto the foundation.

15. A method according to claim 13 wherein said foundation includes a block on one side of the generator and step (a) includes unloading the generator from the block, and removing the block from the foundation leaving an open recess through the one foundation side, and step (c) includes rotating the generator about the vertical axis through the recess and replacing the block onto the foundation when the generator is unloaded from the guides and the step of loading the generator onto the foundation includes lowering the generator onto the foundation including the block forming part of the foundation.

16. A method according to claim 7 including providing curved guides extending in a horizontal direction and supported by said foundation.